U.S. Army Corps of Engineers
Honolulu District & County of Maui DPWEM

AGENDA
for
Public Scoping Meeting for
Iao Stream Flood Control Project
August 12, 2003, 7:00 to 9:00 PM Wailuku Community Center

1. **Open – Call to Order -Tom Mitrano, Meeting Facilitator**

2. **Introduction of County Officials – Milton Arakawa, Deputy Director, County of Maui DPWEM**

3. **Purpose of Scoping Meeting – Warren Kanai, ACOE**

4. **Iao Stream Flood Control Project: Problem and Design Alternatives – Jim Pennaz, ACOE**

5. **NEPA Environmental Assessment – Colette Sakoda, Environet**

6. **Ground Rules for Comment Period – Tom Mitrano**

7. **Comment Period – Community (3 minutes per person)**

8. **Closing**

You can visit the U.S. Army Corps of Engineers, Honolulu District website at: http://www.poh.usace.army.mil

You can find this agenda, slide presentation, handouts and project photos on the internet by logging on to: http://www.poh.usace.army.mil/cw/Iao%20SFC.html

U.S. Army Corps of Engineers, Honolulu District and
County of Maui, Department of Public Works and Environmental Management, CO-SPONSORS

Iao Stream Flood Control Project

Project Area

Iao Stream Drainage basin is a 10 square mile basin beginning at the boundary between the Lahaina and Wailuku Judicial Districts and extending along the crests of the Kahoolewa and Kipilau Ridges to the Pacific Ocean.

The Corps of Engineers/County of Maui DPWEM's Iao Stream Flood Control Project limits are the stream's 7,200 lineal feet between Market Street and Waiehu Beach Road in Wailuku town.

Background

1981 First flood control project was completed

1981 – 1989 Flood damage caused erosion that compromised channel stability, and weakened portions of the existing levees.

1995 The Corps of Engineers conducted a Reconnaissance study to modify existing flood control project.

1999 – 2004 Feasibility Study and Environmental Assessment.

Project Objectives

- Reduce levee and streambed erosion
- Protect adjoining property from flooding during a major storm
- Include a low flow channel in the project design

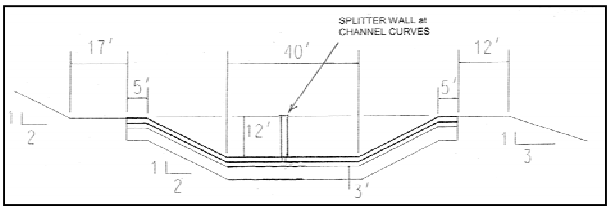
For more information about the Iao Stream Flood Control Project please visit the project web page at:
http://www.poh.usace.army.mil/cw/Iao%20SFC.html

Visit the US Army Corps of Engineers, Honolulu District website at: http://www.poh.usace.army.mil

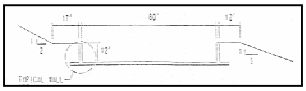
Project Design

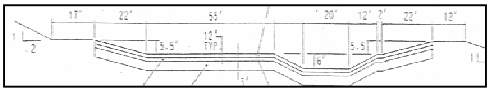
The Corps of Engineers has produced four design alternatives:

1) Trapezoidal concrete channel following the existing stream alignment, 40' bottom width, all flows contained within channel;

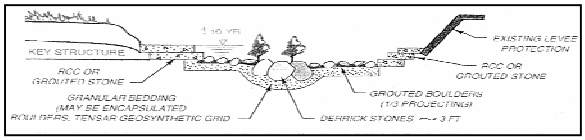


2) Rectangular and Compound channel along a straight alignment, 20' bottom width, and adjacent 55-ft wide grass-lined channel, all flows contained within channel;

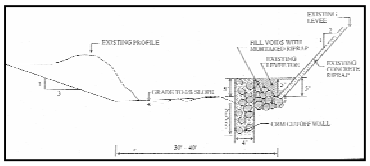




3) Roller Compacted Concrete and boulder invert channel following existing alignment, 20-50-ft bottom width, raise levees, retains flood plain on left bank; and



4) Levee toe repairs, including CRM cutoff walls fronting the levees, some levee walls to be raised, retains flood plain on left bank.



NEPA EA

A National Environmental Policy Act Environmental Assessment (NEPA EA) is now being prepared to evaluate these four design alternatives. The EA process includes consultation with governmental agencies and the community.

	Alternative I: Trapezoidal Channel	Alternative II: Rectangle and Compound Channel	Alternative III: Grouted Boulder Invert Channel	Alternative IV: Levee Construction
Utilization of Flood Plain	Floodplain may be utilized for other uses	Floodplain may be utilized for other uses	Left bank remains floodplain	Left bank remains floodplain
Visual Aesthetics	Concrete channel replaces natural stream	Concrete channel replaces natural stream	Most similar in appearance and function to natural stream	Retains natural stream bottom
Ease of Maintenance	Easiest to maintain	Somewhat easy to maintain	Difficult to maintain	Difficult to maintain, requires repairs
Environmental Acceptability	May not be acceptable	May not be acceptable	Most favorable	May be acceptable
Technical Adequacy	Meets project objectives	Meets project objectives	Meets project objectives	Does not meet objectives, risk of failure

Your comments are welcome!

Please send comments to:

U.S. Army Corps of Engineers
CEPOH-PP-C
Building 230
Fort Shafter, Hawaii 96859
Attention: Warren Kanai

or

Fax to: (808) 438-0430
Email to: Warren.S.Kanai@poh01.usace.army.mil

For more information about the Iao Stream Flood Control Project please visit the project web page at:
http://www.poh.usace.army.mil/cw/Iao%20SFC.html

Visit the US Army Corps of Engineers, Honolulu District website at: http://www.poh.usace.army.mil

U.S. Army Corps of Engineers
Honolulu District

Iao Stream Flood Control Project
Comment Card

U.S. Army Corps of Engineers
Honolulu District
Fort Shafter, Hawaii 96858-5440
Attention: Warren Kanai

Comment section

1. Was the meeting useful and informative? *(Please circle answer)*

YES NO

Comments:

Thank you for your comments!

Please submit comments by September 12, 2003.
You may submit comments in any of three following methods:

- Fold and mail this comment card (postage is required)
- Fax to: (808) 438-0430, Attn: Mr. Warren Kanai
- E-mail to: Warren.S.Kanai@Poh01.usace.army.mil

Postage
Required

U.S. Army Corps of Engineers
CEPOH-PP-C
Building 230
Fort Shafter, Hawaii 96858
Attention: Warren Kanai